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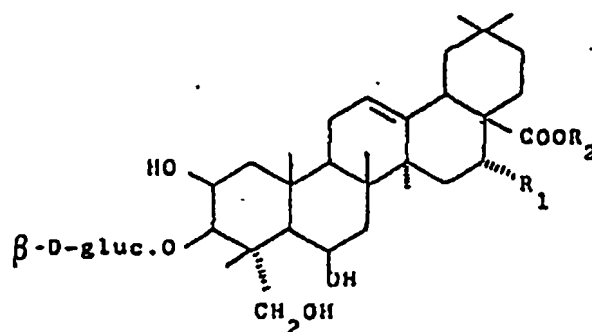
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14.09.88 Bulletin 88/37(71) Applicant: **Sigma-Tau Industrie  
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**8**  
**I-20122 Milano(IT)**(54) **Triterpene saponins having anti-inflammatory, mucolytic and antiedemic activities, process for the preparation thereof and pharmaceutical compositions containing them.**(57) **Triterpene saponins of formula****EP 0 251 197 A3**



wherein  $R_1$  is H or OH and  $R_2$  is a tetrasaccharide, or alternatively pentasaccharide, chain have antinflammatory, mucolytic and antiedemic activities. Saponins are isolated from roots and bark of *Crossopteryx febrifuga*, for instance by precipitating them, in form of a complex with cholesterol or sytosterol, from an alcoholic extract of the vegetal material and by partitioning the precipitate between an apolar solvent, which subtracts the complexing agent and a polar solvent in which saponins are soluble.



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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
A,P	CHEMICAL ABSTRACTS, vol. 106, no. 17, 27th April 1987, page 336, column 2, abstract no. 134556b, Columbus, Ohio, US; C.A.J. ERDELMEIER et al.: "On-plate injection in the preparative separation of alkaloids and glycosides using overpressured layer chromatography", & J. CHROMATOGR. 1987, 389(1), 345-349 ---	4	C 07 G 3/00 C 07 H 13/08 A 61 K 31/72
A	PATENT ABSTRACTS OF JAPAN, vol. 3, no. 157 (C-68), 22nd December 1979; & JP - A - 54 132 218 (TOYO SODA KOGYO K.K.) 15-10-1979 ---	1	
A	US-A-4 147 777 (MUSTICH) * claims 1,3; column 2, pages 63-68; column 3, pages 1-20 * ---	1,4	
A	AT-B- 246 338 (HEILMITTELWERKE WIEN) * claim 1 * -----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			A 61 K 31/72 C 07 G 3/00 C 07 H 13/08
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 14-06-1988	Examiner KNAACK M
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	